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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/594,049	06/20/2007	Jody Stallings	50642/335252	8962
30559 DIANA HOUS	7590 06/10/200 TON	EXAMINER		
SMITH & NEP	HEW, INC.	FONTENOT, NIGEL RAI		
1450 BROOKS ROAD MEMPHIS, TN 38116			ART UNIT	PAPER NUMBER
			3768	
			MAIL DATE	DELIVERY MODE
			06/10/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
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Office Action Summary	10/594,049	STALLINGS ET AL.			
Office Action Summary	Examiner	Art Unit			
	NIGEL FONTENOT	3768			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	I. lely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 25 Se					
·= ·	This action is FINAL . 2b)⊠ This action is non-final.				
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closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) Claim(s) 1-16 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-16 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) ☐ The specification is objected to by the Examine 10) ☐ The drawing(s) filed on 25 September 2006 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11) ☐ The oath or declaration is objected to by the Ex	are: a)⊠ accepted or b)⊡ object drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
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Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some colon None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2/5/2007, 4/25/2007, 5/29/2007, 10/12/20	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 007. 6) Other:	ite			



Application No.

Application/Control Number: 10/594,049 Page 2

Art Unit: 3768

DETAILED ACTION

This action is responsive to the application filed September 25, 2006.

Preliminary amendment filed Sept. 25, 2006 has been entered. Claims 1-16 are pending.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Application/Control Number: 10/594,049 Page 3

Art Unit: 3768

2. Claims 1, 3-5, and 7-16 rejected under 35 U.S.C. 102(e) and 35 U.S.C. 102(a) as being anticipated by Couture et al. (WO 2004/017842).

- 3. Addressing claims 1 and 5, Couture discloses a system and device for computer aided surgery navigation (see fig. 1) which includes a sensor adapted to sense position of a plurality of indicia attached by a reference frame to an item used in surgery and a computer functionality adapted to receive information from the sensor about position of the indicia and generate information corresponding to position and orientation of the item to which the indicia are attached (see p. 10 lines 15-32 and p. 11 lines 1-12): wherein the indicia are attached to the item using at least one registering and securing mechanism such that the indicia may attach only in a determined position and so that the indicia may be removed from the item and reattached without incorrect registration relative to the item; and wherein the registering and securing mechanism features a structure which allows the indicia to be selectively attached and detached from the item (see (17) and (10) in figs. 1-2 and p. 12 lines 3-18).
- 4. Addressing claims 3, 4, 7, and 8, Couture discloses the registering and securing mechanism comprises a separate registering mechanism and a separate securing mechanism, the registering and securing mechanism comprises at least one of a ball plunger, a retractable plunger, a male pin and female receptor, or a magnetic device (see p. 12 lines 19-32, p. 13 lines 1-16, and fig. 6).

Application/Control Number: 10/594,049

Art Unit: 3768

5. Addressing claims 9-10, 13, and 16, Couture discloses all the limitations of claims 1 and 5 above. Further Couture discloses device and process for use in a computer aided surgical navigation system, the system including a sensor adapted to sense position of a plurality of indicia attached by a reference frame to an item used in surgery; computer functionality adapted to receive information from the sensor about position of the indicia and generate information corresponding to position and orientation of the item to which the indicia are attached, including: a reference frame adapted to be connected to the item; at least one indicium connected to the reference frame; and an adjustable securing mechanism interposed between at least one indicium and the item, wherein the adjustable securing mechanism is configured such that the indicia may attach in a variety of rigidly fixed orientations relative to the item, and wherein the adjustable securing mechanism features structure which allows the indicium to be selectively repositioned and resecured relative to the item (see p. 1 lines 16-24, p. 12 lines 3-18, p. 14 lines 14-32, p. 15 lines 1-8, and figs. 1-3 and 6).

Page 4

- 6. Addressing claims 11 and 14, Couture discloses at least one of the indicia includes a fiducial or an active device (see p. 11 lines 17-24 and p. 14 lines 14-23).
- 7. Addressing claims 12 and 15, Couture discloses the adjustable securing mechanism includes an adjustable rod with a base thumb screw for securing the adjustable rod (see p. 12 lines 3-18 and p. 14 lines 1-13).

Application/Control Number: 10/594,049

Art Unit: 3768

8. Claims 1-2, 5-6, 9-10, 13, and 16 are rejected under 35 U.S.C. 102(e) as being anticipated by Rossner et al. (US 2003/0225329).

Page 5

- 9. Addressing claims 1, 5, 9-10, 13 and 16, Rossner discloses a device, system and process for use in a computer aided surgical navigation system including a sensor adapted to sense position of a plurality of indicia attached by a reference frame to an item used in surgery, and computer functionality adapted to receive information from the sensor about position of the indicia and generate information corresponding to position and orientation of the item to which the indicia are attached comprising: a reference frame to which the indicia may be attached, the reference frame adapted to be connected to the item; a registering and securing mechanism interposed between at least one indicium and the item; wherein the indicia may only attach in a determined position so that they may be removed from the item and reattached without incorrect registration of the indicia relative to the item; and wherein the registering and securing mechanism includes a structure which allows the indicia to be selectively attached and detached from the item (see figs. 1-2 and paras 21-24 and 27).
- 10. Addressing claims 2 and 6, Rossner discloses wherein at least one of the indicia includes a reflective surface adapted to be sensed by an infrared sensor device or a transponder that emits energy when interrogated (see paras 20-22).

Application/Control Number: 10/594,049 Page 6

Art Unit: 3768

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIGEL FONTENOT whose telephone number is (571)270-7032. The examiner can normally be reached on Monday-Friday (7:00a-

4:00p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le can be reached on 571-272-0823. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/N. F./ Examiner, Art Unit 3768

/Long V Le/ Supervisory Patent Examiner, Art Unit 3768